

Sequence of Tyro10 (HPTK6) full length

[illegible]

From Page No. _____

1001 GTGCGCTGCT CATGCGCTGCT GAGCGCGGAGC CCATGCGGCA CAACCTAGGG GGCACACCTGG GGCACCGCCAG AGCGCGCGCT GTCTGCTGCT CCCTTGGCGG
CACCGCGGAG GTACCGCGGAG CTGCGCGCTGCT GGTACCGCGCT GTTGTGCTGCT CCCTTGGCGGAG GTCTGCTGCTGCT GGTACCGCGGAG GTCTGCTGCTGCT
308 G P A N A M E G E P M R R H L O G M L G D P R A R A V E V P L G O

1101 CCCTGCTGCT CCCTTGGCGGAG AGTGGCGGCT CCCTTGGCGGAG GCGCGCTGCT TACTCTGCTGCT GCAATCTGCT TCTGCTGCTGCT ATGTGCTGCT CAATCTGCTGCT
GCGCGGAGGT GCGCGGAGGT TCGCGGAGGT GCGCGGAGGT GCGCGGAGGT GCGCGGAGGT GCGCGGAGGT GCGCGGAGGT GCGCGGAGGT GCGCGGAGGT
341 R V A R F L O C R F L F A G P W L L F S E I S F I S D V V H N S

1201 CCCTGCTGCT CCCTTGGCGGAG CCCTTGGCGGAG CCCTTGGCGGAG CCCTTGGCGGAG CCCTTGGCGGAG CCCTTGGCGGAG CCCTTGGCGGAG CCCTTGGCGGAG CCCTTGGCGGAG
GCGCGGAGGT GCGCGGAGGT GCGCGGAGGT GCGCGGAGGT GCGCGGAGGT GCGCGGAGGT GCGCGGAGGT GCGCGGAGGT GCGCGGAGGT GCGCGGAGGT
374 P A L G G T P P P A P W H P P G P P P T H F S S L L L E P R G Q O P

1301 CCCTGCTGCT CCCTTGGCGGAG CCCTTGGCGGAG CCCTTGGCGGAG CCCTTGGCGGAG CCCTTGGCGGAG CCCTTGGCGGAG CCCTTGGCGGAG CCCTTGGCGGAG CCCTTGGCGGAG
GCGCGGAGGT GCGCGGAGGT GCGCGGAGGT GCGCGGAGGT GCGCGGAGGT GCGCGGAGGT GCGCGGAGGT GCGCGGAGGT GCGCGGAGGT GCGCGGAGGT
408 V A K P E G S T A I L I G C L V A I I L L L L L I A L N L M R

1401 CCCTGCTGCT CCCTTGGCGGAG CCCTTGGCGGAG CCCTTGGCGGAG CCCTTGGCGGAG CCCTTGGCGGAG CCCTTGGCGGAG CCCTTGGCGGAG CCCTTGGCGGAG CCCTTGGCGGAG
GCGCGGAGGT GCGCGGAGGT GCGCGGAGGT GCGCGGAGGT GCGCGGAGGT GCGCGGAGGT GCGCGGAGGT GCGCGGAGGT GCGCGGAGGT GCGCGGAGGT
441 L H W R R L L S K A E R R V L R E L T V H L S V P G D T I L I N

1501 AACCGCGGAG GTCTGCTGCT GCGCGGAGGT TACGCGGAGGT CCCTTGGCGGAG GTGCGGAGGT GCGCGGAGGT CCCTTGGCGGAG CCCTTGGCGGAG CCCTTGGCGGAG
TTCGCGGAGGT TACGCGGAGGT CCCTTGGCGGAG GTCTGCTGCTGCT GCGCGGAGGT GCGCGGAGGT GCGCGGAGGT GCGCGGAGGT GCGCGGAGGT GCGCGGAGGT
474 M R P G P R E P P P T Q R P R P R G M P P H S A P C V P M G S A L L

1601 TCTGCTGCT TCGCGGAGGT CCCTTGGCGGAG TCGCGGAGGT CCCTTGGCGGAG CCCTTGGCGGAG CCCTTGGCGGAG CCCTTGGCGGAG CCCTTGGCGGAG CCCTTGGCGGAG
GCGCGGAGGT GCGCGGAGGT GCGCGGAGGT GCGCGGAGGT GCGCGGAGGT GCGCGGAGGT GCGCGGAGGT GCGCGGAGGT GCGCGGAGGT GCGCGGAGGT
508 L S H P A Y R L L A T Y A R P F R G P G P P T P A W A K P T Y T

1701 CCCTGCTGCT CCCTTGGCGGAG ATATGCGGAGT ATATGCGGAGT TCGCGGAGGT TCGCGGAGGT TCGCGGAGGT TCGCGGAGGT TCGCGGAGGT TCGCGGAGGT TCGCGGAGGT
GCGCGGAGGT GCGCGGAGGT GCGCGGAGGT GCGCGGAGGT GCGCGGAGGT GCGCGGAGGT GCGCGGAGGT GCGCGGAGGT GCGCGGAGGT GCGCGGAGGT
541 Q A T S G D Y H E P E K P G A P L L P P P P Q M S V P H Y A E A D

1801 ATTGCTGCT TCGCGGAGGT CCCTTGGCGGAG AACGCGGAGT CTGCGGAGGT ACTGCGGAGT GCGCGGAGGT GCGCGGAGGT GCGCGGAGGT GCGCGGAGGT GCGCGGAGGT
TACGCGGAGT ACTGCGGAGT GCGCGGAGGT TCGCGGAGT GCGCGGAGT GCGCGGAGT GCGCGGAGT GCGCGGAGT GCGCGGAGT GCGCGGAGT
574 I V T L Q G V T G G H T Y A V P A L P P G A V G D G P P R V D P P R

1901 CATCTGCTGCT CCCTTGGCGGAG GCGCGGAGGT GCGCGGAGGT GCGCGGAGGT GCGCGGAGGT GCGCGGAGGT GCGCGGAGGT GCGCGGAGGT GCGCGGAGGT
CTGCGGAGT GCGCGGAGT GCGCGGAGT GCGCGGAGT GCGCGGAGT GCGCGGAGT GCGCGGAGT GCGCGGAGT GCGCGGAGT GCGCGGAGT
608 S R L R P K E K L G E G Q P G E V H L C E V D S P Q D L V S L D P

2001 CCCTTGGCGGAG GTCTGCTGCT GCGCGGAGGT GTCTGCTGCT GCGCGGAGGT TCGCGGAGGT TCGCGGAGGT TCGCGGAGGT TCGCGGAGGT TCGCGGAGGT
GCGCGGAGGT GCGCGGAGGT GCGCGGAGGT GCGCGGAGGT GCGCGGAGGT GCGCGGAGGT GCGCGGAGGT GCGCGGAGGT GCGCGGAGGT GCGCGGAGGT
641 P L N V R E G H F L L V A V E I L R P D A T E H A R M D P L K E V

2101 AACGCGGAGT GCGCGGAGT GCGCGGAGT GCGCGGAGT GCGCGGAGT GCGCGGAGT GCGCGGAGT GCGCGGAGT GCGCGGAGT GCGCGGAGT
TCTGCTGCTGCT GCGCGGAGT GCGCGGAGT GCGCGGAGT GCGCGGAGT GCGCGGAGT GCGCGGAGT GCGCGGAGT GCGCGGAGT GCGCGGAGT
674 K I M S R L E D P E I I R L L G V C V Q D D P L C N I T D V M R E G

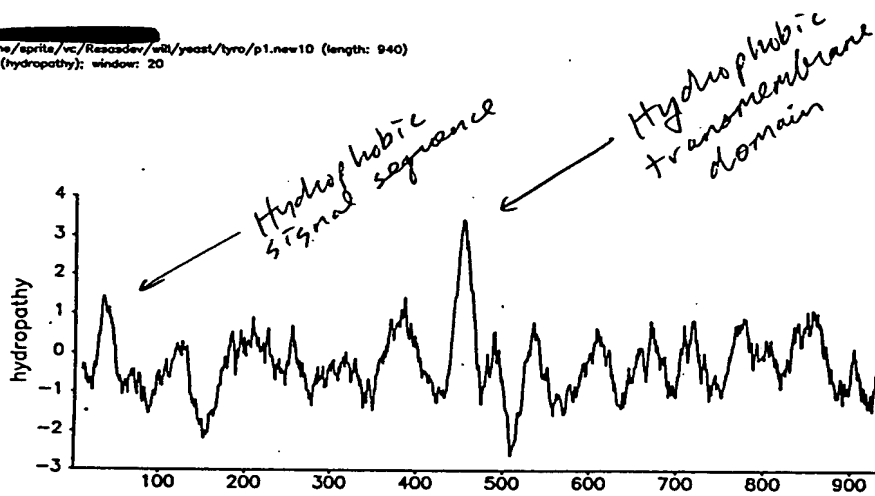
Transmembrane Domain?

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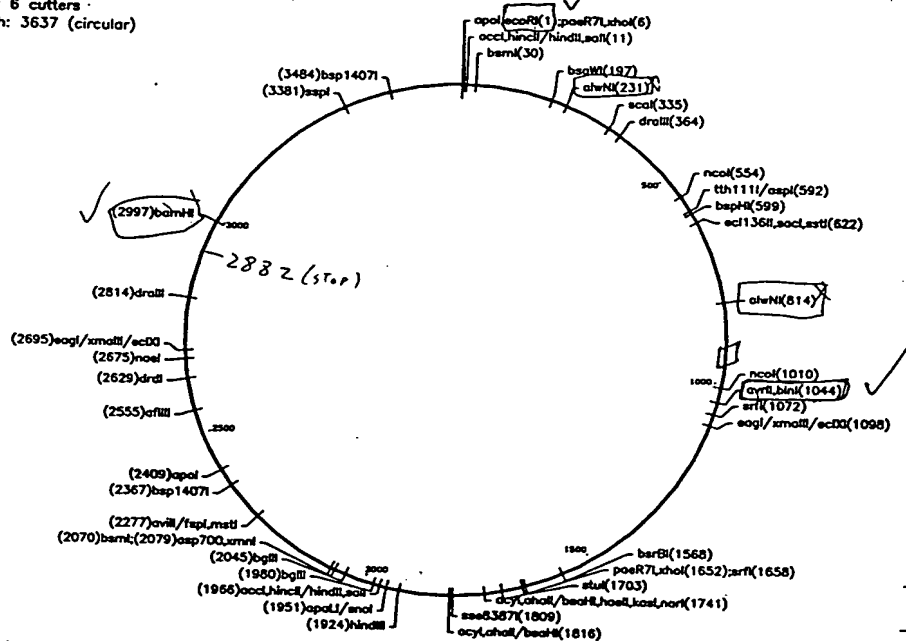
Witnessed & Understood by me,	Date	Invented by	Date
		WILLIAM BACON	

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/home/sprite/vc/Resasdev/will/yeast/tyro/p1.new10 (length: 940)
kyte (hydropathy); window: 20



/home/sprite/vc/Resasdev/will/yeast/tyro/ss.new10
sites: 6 cutters
length: 3637 (circular)



Ultimately I will subclone an EcoRI/BamHI fragment into pRK5 for transfection into mammalian cells.

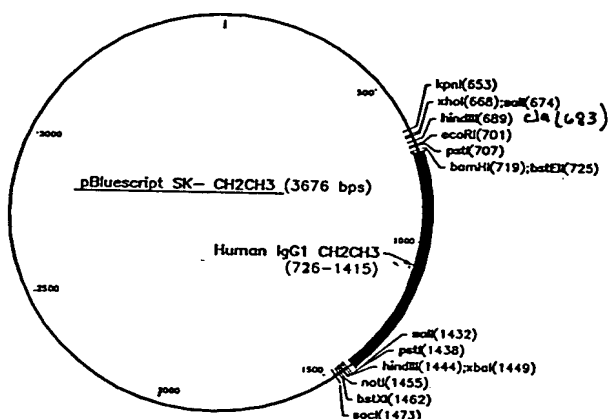
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Want to make ECD / IgG II fusion construct
for Antibody production.
70% sequence of vector from B. Bennett

IgG fusion vector (for EC domains)

3676 (circular)
as human IgG1 heavy chain constant regions 2 & 3 = CH2CH3 in Bluescript SK minus
-CH2CH3
ps
2 hitters in polylinker

bdb: [REDACTED]



/Molbio/bdb/ss.pBSSK-CH2CH3

des: 6 cutters

synth: 3676 (circular)

constructed by Brian Bennett 05.10.90

contains human IgG1 heavy chain constant regions 2 & 3 = CH2CH3 in Bluescript SK minus

1 CACCTGACGC GCCCTGTAGC GCGGCATTAA CGCGCGCGCG TGTGGTGGTT AGCGCGCAGC TGACCGCTAC ACTTGGCAGC GCGCTACGCT CCGCTCTCTT
CTGGACTGCG CGGGACATCG CCGCGTAATT CGCGCGCGCG ACAACACCAA TCGCGCTGCG ACTGGCGATG TGAACGGTCG CGGGACTGCG GCGCAGGAAA

01 CCGCTCTCTC CCGCTCTCTC TCGGCACCTT nseI CCGCGCGCTT CCGCGCTCAAG CTCTAAATCG GGGGCTCTCT TTAGGGTTCG GATTAGTTCG TTTCACGGAC
GCGAAAGAAG GGAAGGAAG ACAGCTGCAA GCGCGCTGAA GGGGCGATTC GAGATTAGC CCGCGAGGGA AATCGCAAGG CTAAATCAGC AAATCGCTCG

01 CTCGACCCCA AAAAAGTGA TTAGGGTAT GTTCACGCTA GTGGGCGATC GCGCTGATAC ACCTGTTTTC GCGCTTTCAG CTGGCAGTCC AGCTTCTTAA
GAGCTGGGCT TTTTGAATC AATCGCACTA CCAAGTGCAT CACCGGATG CCGGACTATC TGCCAAAAGG CCGGAACTCG CAACCTCAGG TGCAAGAAAT

01 ATAGTGGACT CTCTGTCGAA ACTGGAACAA CACTCAACCC TATCTGCTTC TATCTGTTTG ATTATAAGG GATTTCGCGC ATTCGCGGCT ATTTGTTAAA
TATCACTGCA GAACAAGGTT TGACCTTCTT GTGAGTGGG ATAGACCGAG ATAGAAAGC TAAATATTC CTAAAGACCG TAAAGCGGCA TAAACAAATT

01 AAATGAGCTG ATTTAACAAA AATTAAAGCG GAATTTTAA CAAATATTA COCTTACAAT TTCCATTGCG CATTACGCTT GCGCAACTGT TCGCAAGGCG
TTTACTGCGA TAAATTTTCT TTAATTTGCG TTTTATAATT CCGAATCTTA AAGGTAAAGC GTAAAGTCCA CCGCTTGACA ACCCTTCCCG

01 GATCGGTCGC GCGCTCTCTC CTATTACGCC AGCTGCGGAA AGGGGCGATG GCTGCAAGCG GATTAAGTTG GGTAAAGCCA GCGTTCCTCC AGTCACGAGC
CTAGCCACGC CCGGAGAAGC GATAATCGCG TCGACCGCTT TCCCGCTACA CGACCTTCGC CTAATTCAC CCAATTCGCT CCGCAAGGCG TCACTGCTCG

01 TTCTAAAGCG AGCGCAGCTG AATGTATAA CGACTCAGTA TAGGGCGAAT TCGCTACGCG GCGCGCGCTC GAGCTCAGCG CTATCCATAA GCTTGATATC
AACATTTTGC TCGCGCTGAC TTAACATTAT CTGAGTGTAT ATCCCGCTTA ACCCATGCG CCGGGCGGAG CTCCAGCTCG CATAGCTATT CGAAGTATAG

01 CCAATCTGCG AGCGCGGCGG ATCCGCTAC ACCTGCTACG GTGGCAGCG TCGTGCAGCT CAGGACGCGC CTGGCAGTCA CAGGAGAGAG
CTAAGGAGC TCGCGCGCGC TAGGCGAGCT TAGGCGAGCT CAGGCGAGCT CAGGCGAGCT CAGGCGAGCT CAGGCGAGCT CAGGCGAGCT CAGGCGAGCT

01 CCAATCTGCG AGCGCGGCGG ATCCGCTAC ACCTGCTACG GTGGCAGCG TCGTGCAGCT CAGGACGCGC CTGGCAGTCA CAGGAGAGAG
CTAAGGAGC TCGCGCGCGC TAGGCGAGCT TAGGCGAGCT CAGGCGAGCT CAGGCGAGCT CAGGCGAGCT CAGGCGAGCT CAGGCGAGCT CAGGCGAGCT

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Date

Recorded by

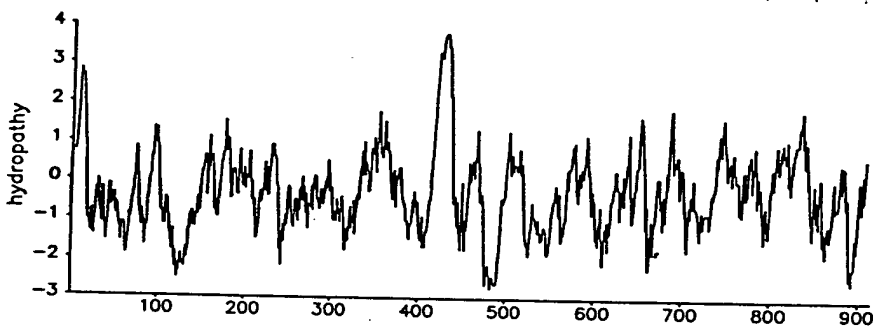
[Signature]

[illegible]

From Page No. 8

Developed O/N A/R's → read sequences of Tyro 10
Only 5' ends of 15+6 were readable. (HPTK)

I will try cutting out complete coding
sequence w/ EcoRI / BamHI & sequence
entire clone if needed.



PREDICTED MOL. WT = 101,153

PREDICTED ISOELECTRIC POINT = 6.76 (REDUCED CYSTEINES)

6.77 (OXIDIZED CYSTEINES)

Definite strongly hydrophobic signal sequence.

To Page N

Witnessed & Understood by me,

Date

Invented by

Date

J. H. A. Bacon

[Signature]